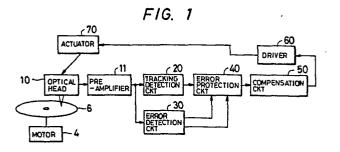
(19)	Europäisches Patentamt European Patent Office Office européen des brevets	(1)	Publication number:	0 252 502 A3					
12	EUROPEAN PATENT APPLICATION								
21 22	Application number: 87109871.1 Date of filing: 08.07.87	(51)	Int. Cl.4: G11B 7/095 ,	G11B 7/09					
43 (84)	Priority: 11.07.86 JP 161845/86 Date of publication of application: 13.01.88 Bulletin 88/02 Designated Contracting States: DE FR GB Date of deferred publication of the search report: 29.11.89 Bulletin 89/48		Applicant: HITACHI, LTD. 6, Kanda Surugadai 4-chor Chiyoda-ku Tokyo 101(JP) Inventor: Takasugi, Wasao 2-1990, Imokubo Higashiyamato-shi Tokyo(d Inventor: Yonezawa, Seiji 2-6-11, Mejirodai Hachioji-shi Tokyo(JP) Inventor: Tsuyoshi, Toshiak Hitachi Dai 4 Kyoshin-ryo 4 Nishikoigakubo Kokubunji-shi Tokyo(JP) Inventor: Ohtake, Masatosh 2-164-9, Chigase-machi Ohme-shi Tokyo(JP)	JP) ¢i 4-14-6,					
		74	Representative: Strehl, Sch Groening, Schulz Maximilianstrasse 54 Post D-8000 München 22(DE)	·					

9 Optical information recording and reproducing apparatus with tracking control by sampling.

An optical information recording and reproducing apparatus of a sampling servo system which effects the tracking by holding the differential output of the reproduced signals of tracking pits that are wobbled toward the right and left relative to the track of the optical disk. Reproduced signals of a plurality of pits arranged maintaining a distance on the track and wobbled toward the right or left in a servo signal region, are compared with each other to detect any abnormal condition in the tracking pits. When the abnormal condition is detected, the tracking signal sampled under the normal condition is continuously used to perform the tracking control.





.

EUROPEAN SEARCH REPORT

Application Number

EP 87 10 9871

Category	Citation of document with ind of relevant pass		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
A.	PATENT ABSTRACTS OF JAPA vol. 6, no. 248 (P-160)(& JP-A-57 143765 (SONY K * the whole document *	1126) 07 December 1982,	1	G11B7/095 G11B7/09	
٩	 PATENT ABSTRACTS OF JAPA vol. 10, no. 160 (P-465) & JP-A-61 013448 (PIONEE * the whole document *		1, 5		
4	EP-A-0117715 (SONY CORPC * the whole document *	- PRATION)	1		
4	EP-A-0089274 (THOMSON-CS * the whole document *	- F)	1		
٨	EP-A-0169433 (ALCATEL TH * the whole document *		1		
4	EP-A-0089263 (THOMSON-CS * the whole document *	SF) 	1	TECHNICAL FIELDS SEARCHED (Int. Cl.4)	
A D,A	FR-A-2517103 (HITACHI,L' * the whole document * &US-A-4564929-	TD)	1	G11B	
A D,A	EP-A-0077644 (BURROUGHS * the whole document * &US-A-4443870	CORPORATION)	1		
A D,A	 EP-A-OO21411 (HITACHI,L * the whole document * &US-A-4364118	 TD)	1		
P,A	EP-A-0210330 (HITACHI,L * column 13, line 45 - * claims 1, 5; figures 	column 15, line 42 *	1		
	The present search report has b	een drawn up for all claims			
	Place of search THE HAGUE	Date of completion of the search 28 SEPTEMBER 1989	D	Examiner AALMANS F.J.	
Y:pa do A:te O:n	CATEGORY OF CITED DOCUME rticularly relevant if taken alone rticularly relevant if combined with and cument of the same category chnological background on-written disclosure termediate document	F : earlier patent after the filin D : document cit L : document cito	document, but j g date ed in the applica ed for other reas	published on, or ition	